

FIGURE 1

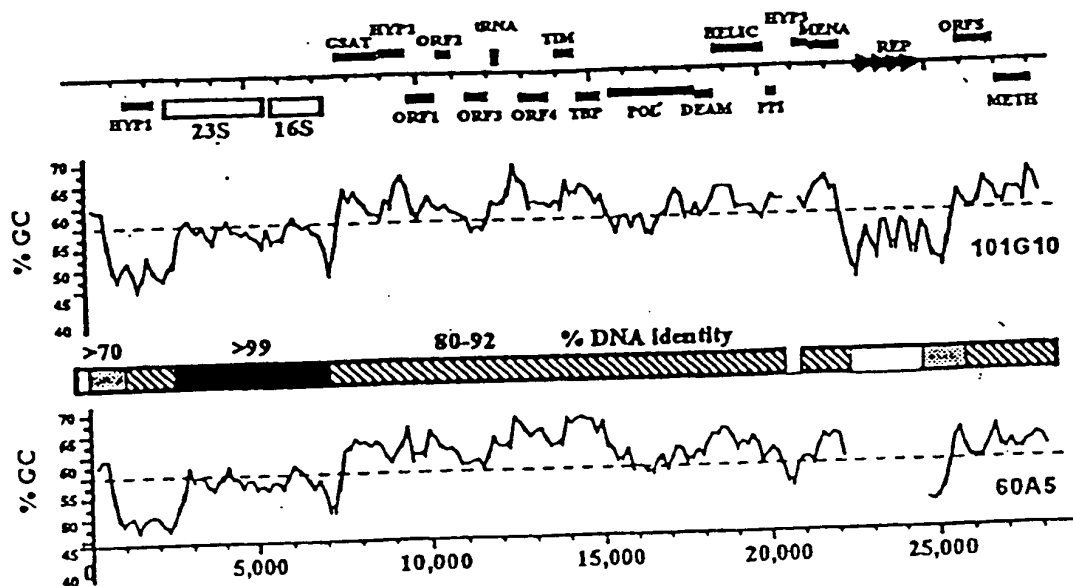


FIGURE 2

Seq. ID No.	Gene	Strain	TATA Box	Coding Start	TATA to Start (bp)
81	Hypoth 03	A	AAGCTAGACT TTTAAT TGGG ATCCGGCGGG GCGGCGCATG	-----	25
82		B	AAGCTAAACT TTTAAT TGGG ATCCGGCGGAG CCGGCGCGTG	-----	
83	Hypoth 02	A	GGAAACTTTG ATTATA CGGG CGTGCTGCCC CGGGGCCCAT G-----	-----	26
84		B	GGAAACTTTG ATTATA CGGG CGTACATTCC CGGGGCCCAT G-----	-----	
85	ORF 02	A	AAGGCAAGGT AATAAT AGCC TGCCGTCTGT AACGGCCGTA TG-----	-----	27
86		B	ACGGCAAGGT AATAAT AGCC TGCCGTCCGT ACCTGCCGTA TG-----	-----	
87	ORF 03	A	CATGGAAC TA GATATT AACC GGTTCCGCGG ATCCCATGCA TG-----	-----	27
88		B	CATGGAAC TA GATAAT AACC GGTTCCGCGG GTACAATGCA TG-----	-----	
89	PPI	A	ATACCGAGAA GTTATA GCAG GGTATGGAAT GTGCGCGCGC ATG-----	-----	28
90		B	AGCACGACAA GTTATA GCAG GGTACAAAGG AGCAGCGCAC ATG-----	-----	
91	GSAT	A	ATCCGCCCTG ATTA AA TTAT GGGGGGAGCG GCCTGCTGCC GTG-----	-----	28
92		B	ATCCGCCCTC ATTA AA TTAC GGGGGGTACA ACCTGCTGCC GTG-----	-----	
93	ORF 05	A	CCTTCATACA CATAAA TCCC GCTTGATGT GCGGCTGCGC ATG-----	-----	28
94		B	ACTTCATACA CATAAA TCCC GCCTGAACGG TCGTCCGCGC ATG-----	-----	
95	deaminase	A	.GGCATATAC CATAAT ATGC CGGGCGGTGG CACCATGGCC GTTG-----	-----	29
96		B	CCGCATATAC CATAAT ATGC CGGGCGGGGG CAGGCTGCCC .GTG-----	-----	
97	RNA helic	A	TGTACGAAAC CATAAA ACAA CAGGCCGCGT CAGGGCCGCG CGTG-----	-----	29
98		B	GGGTAGAAAC CATAAA ACAA CAGGCCGCGG CAGGGCG .CG CGTG-----	-----	
99	ORF 06	A	.ACACGCAG TATAAA CGGG GGCCCGGGCG GCGCGTATCA CATG-----	-----	29
100		B	ATACACGTGG TATAAA CAGA GG .CCGGACG GCGCGGACCA CATG-----	-----	
101	tRNA-tyr	A	GCGATAGTTA TTTAAA ACTA GGATGCCGAT CACGGATCGT CCGA-----	-----	29
102		B	GCGATAGTTA TTTAAA ACTA GGATGCCGGG CACCGTCGT CCGA-----	-----	
103	TBP	A	CCGGGCCCCG GTTAAA ATAG CG .CACGGCG GGATCCTGAC CAATG-----	-----	30
104		B	CCGGGCCCCG GTTAAA ATAG AGTGCGGCGG GGCACCGGAT CAATG-----	-----	
105	TIH	A	GCGTCGATAG AATAAA TACG CGCAGGGGGC CCCGTGGCGC GATCGCCCGT G-----	-----	36
106		B	GCGTCGATAG AATAAA TACG CGC .GGGGCC GCGGTGC . . . GATCGCCCGT G-----	-----	
107	Hypoth 01	A	ATTCAACTA CATAAA TGCC TAGTTACGCA GAAATAGCAA ACGACGTACT TCGACTAATG		45
108		B	ACTTCAACTA CATAAA TGCC TAGTACGCA GAAATATCAA ACAAAGTACT TCGACTAATG		
109	ORF 01	A	ACGGCAGGCT ATTATT ACCT TGCCTTGCGT TGTA // . . G CGGGTGCGG CAGGGGATG		52
110		B	ACGGCAGGCT ATTATT ACCT TGCCGTGTG . TACA // . . G AGGGGGCCTG CCGGGAGTG		
111	Methylase	A	CTACAACGAT TTTAAG TCGG CGCCGGGGCA GCCG .// . . G ATGTGGGGCA GGCAACATG		104
112		B	CTACAAGAT TTTAAG ACGG CGCGGTGCC GCCG .// . . T GGCACGGGG CCTATCTTG		
113	16S RNA	A	TCGGCGATGG TTTATA TGCC CATGGACGGG CCGATCCGAT CGTACGTGAC GC .// . . AAT		220
114		B	CCGGCGATGG TTTATA TGCC CATGGACAAG GCGATCCGAT CGTACGTGAC GC .// . . AAT		
Archaeal promoter consensus			YTTANA		

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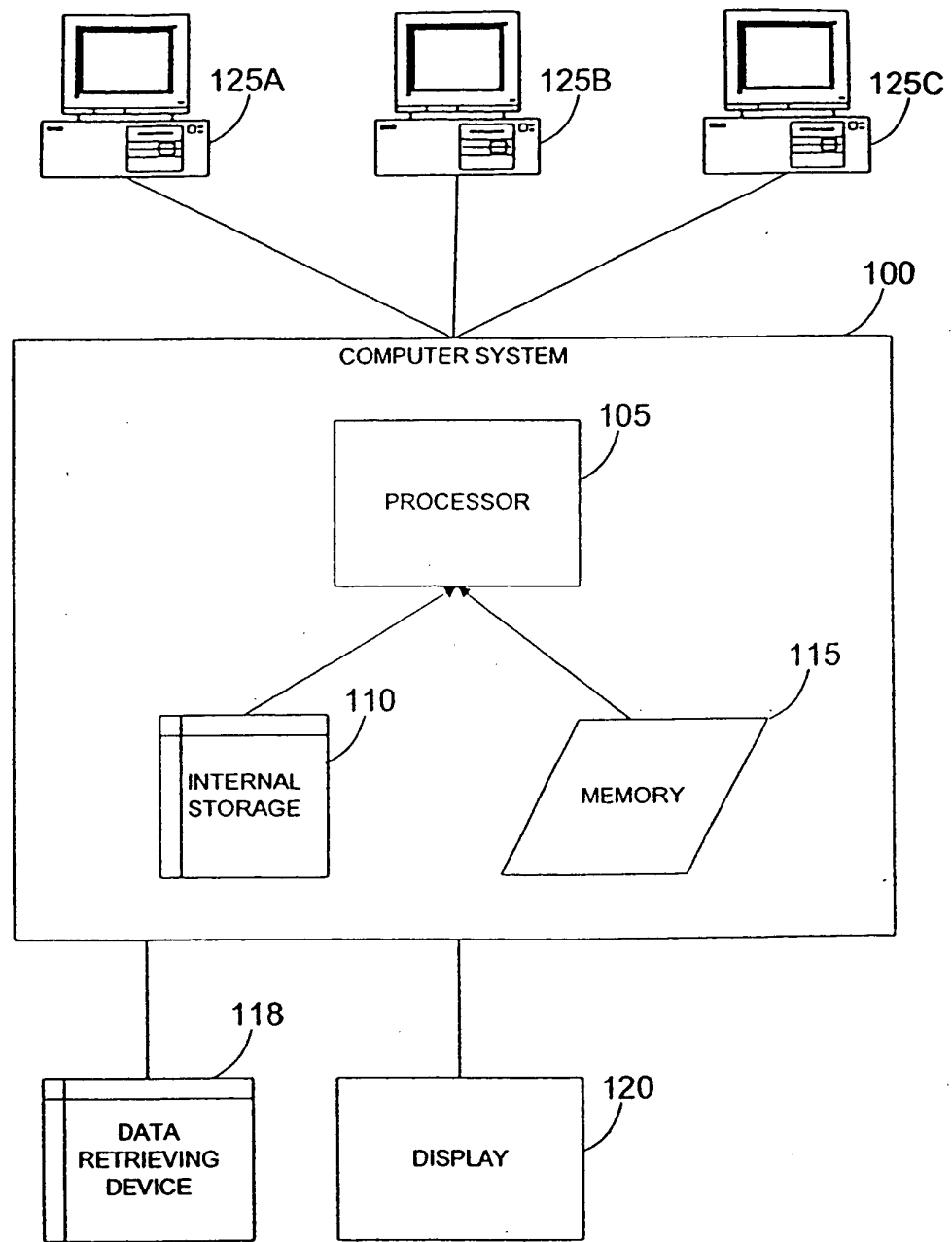


FIGURE 3

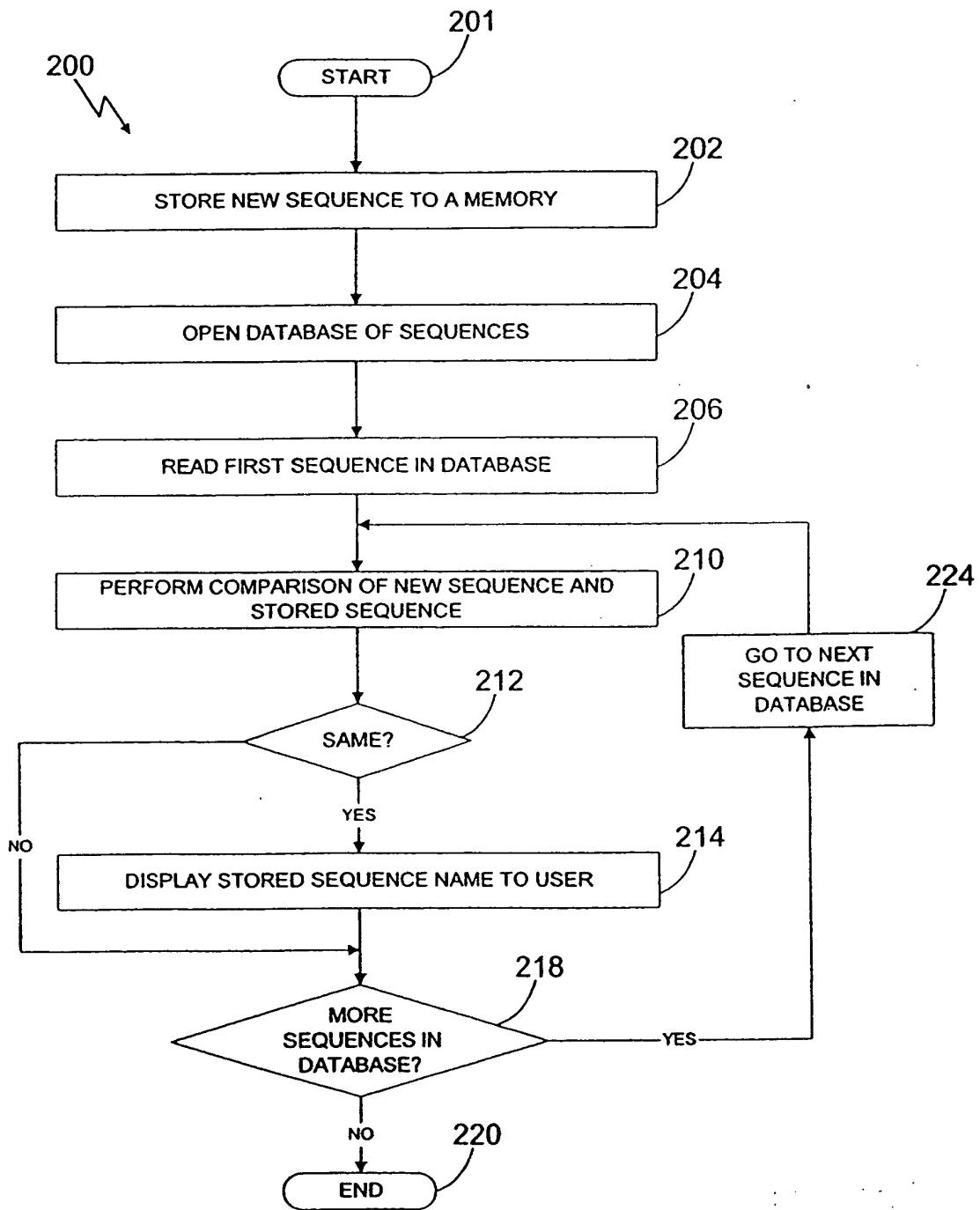


FIGURE 4

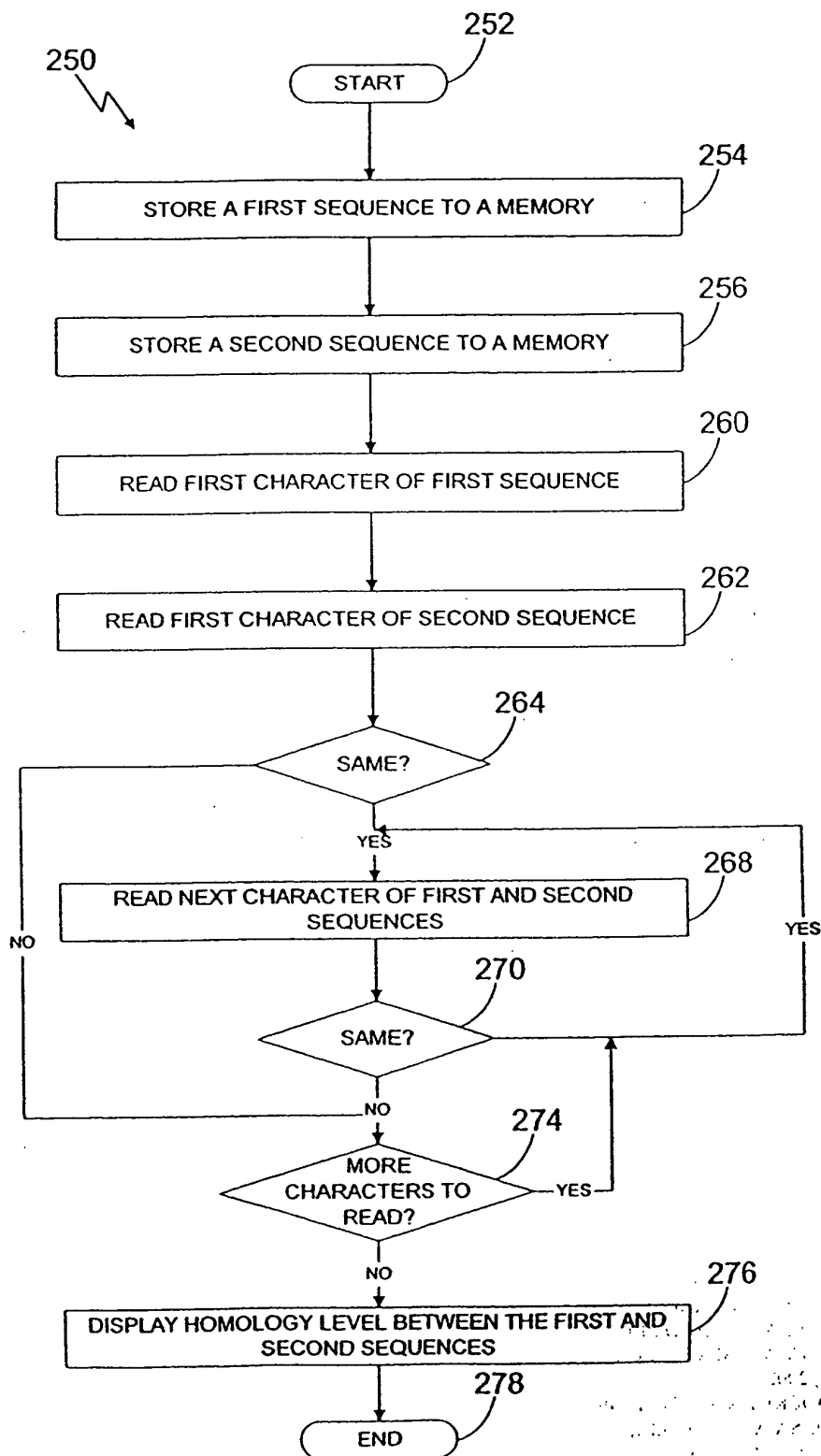


FIGURE 5

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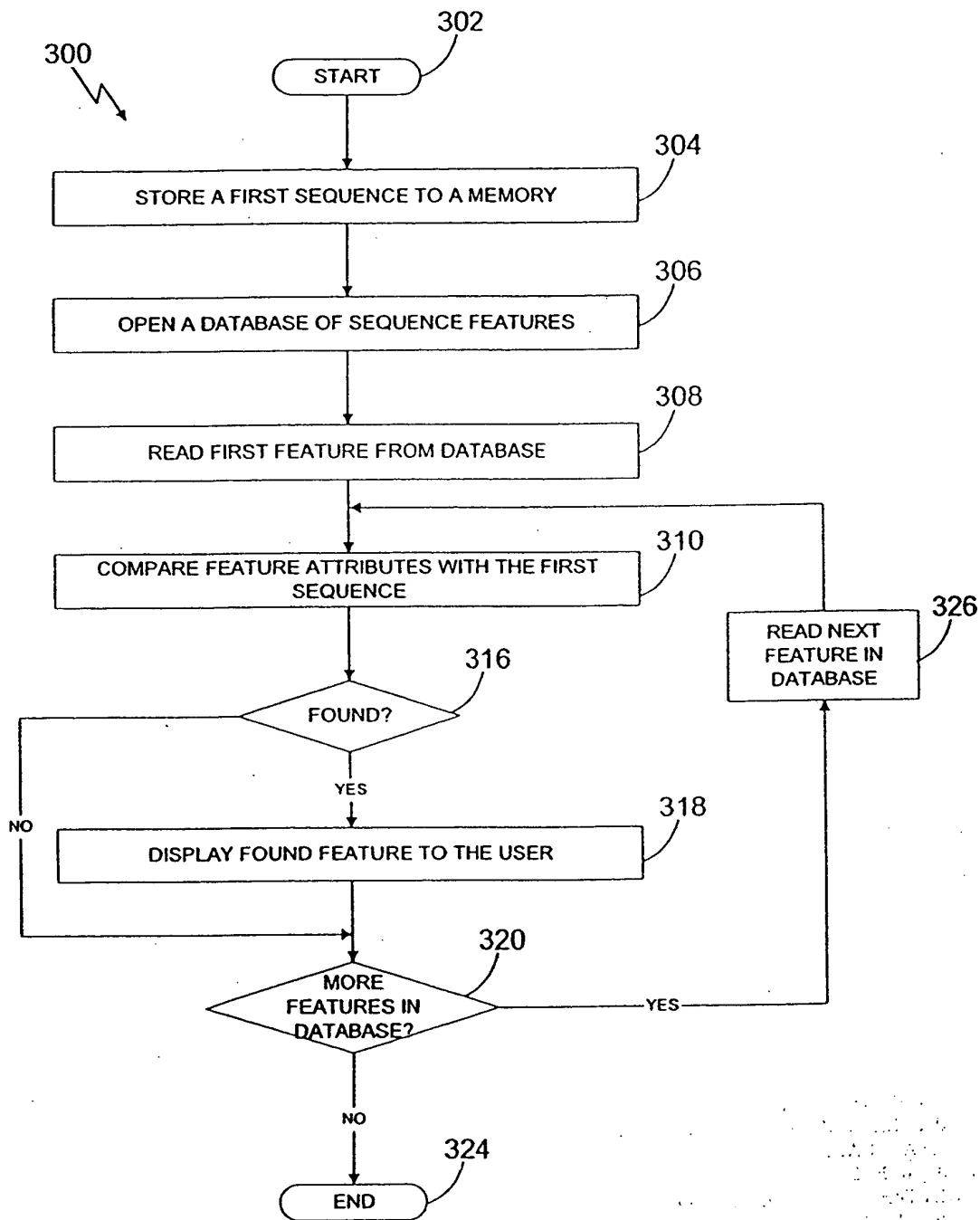


FIGURE 6